

Application Serial No.: 10/694,875
Reply to Office Action dated January 31, 2005, and
Advisory Action dated April 26, 2005

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A spoiler configured to be mounted on a bumper of a vehicle, comprising:

a spoiler main body section having a substantially constant cross-sectional profile along a length thereof and configured to be disposed to orient toward a roadbed on which the vehicle travels;

a plurality of mount sections each formed on a back of the spoiler main body section integrally therewith to protrude rearward of the vehicle; and

a plurality of fixing sections integrally formed on at least one of an upper side and a lower side of the plurality of mount sections, the plurality of fixing sections being formed discontinuously in a longitudinal direction of the spoiler at certain intervals, and the plurality of fixing sections each protruding at least one of upward and downward from a surface of the plurality of mount sections from a position between the spoiler main body section and a rear end of each of the plurality of mount sections.

2. (Previously Presented) The spoiler according to claim 1, wherein the plurality of fixing sections are capable of being fixed in the vicinities of a plurality of mount holes formed in the bumper.

3. (Previously Presented) The spoiler according to claim 1, wherein the plurality of fixing sections have substantially the same cross-section in a longitudinal direction of the spoiler main body section.

4. (Previously Presented) The spoiler according to claim 1, further comprising a

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fitting base section extending along the spoiler main body section, wherein at least one mount section of the plurality of mount sections is integrally formed with the fitting base section.

5. (Previously Presented) The spoiler according to claim 1, wherein at least one mount section of the plurality of mount sections includes a fastening member mount portion for attaching a fastening member.

6. (Previously Presented) The spoiler according to claim 5, wherein the fastening member mount portion is formed at a position where the fastening member attached to the fastening member mount portion does not interfere with the fixing section.

7. (Previously Presented) The spoiler according to claim 5, wherein the fastening member mount portion is a fastening member insert hole into which the fastening member can be inserted.

8. (Currently Amended) ~~The A spoiler according to claim 1~~ configured to be mounted on a bumper of a vehicle, comprising:

a spoiler main body section configured to be disposed to orient toward a roadbed on which the vehicle travels;

a plurality of mount sections each formed on a back of the spoiler main body section integrally therewith to protrude rearward of the vehicle; and

a plurality of fixing sections integrally formed on at least one of an upper side and a lower side of the plurality of mount sections, the plurality of fixing sections being formed discontinuously in a longitudinal direction of the spoiler at certain intervals, and the plurality of fixing sections each protruding at least one of upward and downward from a surface of the plurality of mount sections from a position between the spoiler main body section and a rear

end of each of the plurality of mount sections,

wherein the plurality of mount sections includes a mount section with a fastening member insert hole for attaching a fastening member and a mount section without the fastening member insert hole.

9. (Previously Presented) The spoiler according to claim 8, wherein the fastening member insert hole is formed at a position where the fastening member attached to the fastening member mount hole does not interfere with the fixing section.

10. (Previously Presented) The spoiler according to claim 8, wherein the mount section with a fastening member insert hole and the mount section without the fastening member insert hole are arranged alternately with each other.

11. (Previously Presented) The spoiler according to claim 1,
wherein the spoiler main body section is formed from soft, flexible material which does not undergo any deformation in excess of a limit when subjected to air resistance developing during the course of travel of the vehicle,

the plurality of mount sections are formed from material which is hard and higher in rigidity than a material of the spoiler main body section, and

the back of the spoiler main body section and extremity base portions of the plurality of mount sections are joined integrally with each other.

12. (Previously Presented) The spoiler according to claim 1,
wherein the spoiler main body section and the plurality of mount sections are made of at least one of rubber and a thermoplastic elastomer material.

13. (Previously Presented) The spoiler according to claim 1, further comprising: a

core material made of a material higher in rigidity and expansion-and-contraction resistance than the spoiler main body section and the plurality of mount sections, the core material embedded in the longitudinal direction in an area on the back of the spoiler main body section where the plurality of mount sections are to be joined.

14. (Previously Presented) The spoiler according to claim 1,
wherein the plurality of fixing sections are formed on one of upper and lower sides of the respective plurality of mount sections, and

when the spoiler is attached to the bumper, the plurality of fixing sections are elastic in a direction moving closer to the plurality of mount sections, thereby enabling the plurality of mount sections to be pressed against corresponding areas on the bumper.

15. (Canceled)

16. (Canceled)

17. (Currently Amended) A bumper structure of a vehicle, comprising:

a bumper of the vehicle; and

a bumper spoiler attached to the bumper,

wherein the bumper includes a mount portion formed in a transverse direction of the vehicle, and a plurality of mount holes formed at predetermined intervals in the transverse direction of the vehicle, penetrating through the mount portion; and

the bumper spoiler includes: a spoiler main body section having a substantially constant cross-sectional profile along a length thereof and configured to be disposed to orient in substantially a vertical direction when mounted on the bumper, a plurality of mount sections each formed on a back of the spoiler main body section integrally therewith to

protrude rearward of the vehicle, and a plurality of fixing sections integrally formed on at least one of an upper side and a lower side of the plurality of mount sections, the plurality of fixing sections being formed discontinuously in a longitudinal direction of the bumper spoiler at certain intervals, and the plurality of fixing sections each protruding at least one of upward or downward from a surface of the plurality of mount sections from a position between the spoiler main body section and a rear end of each of the plurality of mount sections to be fixed to vicinities of the plurality of mount holes.

18. (Previously Presented) The bumper structure according to claim 17, wherein a transverse dimension of the mount hole is made greater than a longitudinal width of a base section of the mount section.

19. (Previously Presented) The spoiler according to Claim 1, wherein the plurality of fixing sections are integrally formed on the upper side of the plurality of mount sections, and each of the plurality of fixing sections protrudes upward from the surface of the plurality of mount sections.

20. (Previously Presented) The spoiler according to Claim 1, wherein the plurality of fixing sections are integrally formed on the lower side of the plurality of mount sections, and each of the plurality of fixing sections protrudes downward from the surface of the plurality of mount sections.

21. (Previously Presented) The bumper structure according to claim 17, wherein the plurality of fixing sections have substantially the same cross-section in a longitudinal direction of the spoiler main body section.

22. (Previously Presented) A spoiler configured to be mounted on a bumper

including at least one mounting hole, the spoiler comprising:

a spoiler main body section configured to orient in a first direction;

a plurality of mount sections each formed integrally with a back of the spoiler main body section to protrude in a second direction, the plurality of mount sections including an upper side, a lower side opposite the upper side, and a rear end; and

a plurality of fixing sections integrally formed with the plurality of mount sections on at least one of the upper side and the lower side to protrude from a surface of the plurality of mount sections, the plurality of fixing sections being formed discontinuously in a longitudinal direction of the spoiler at certain intervals, the plurality of fixing sections being provided at a position between the spoiler main body section and the rear end of the plurality of mount sections, and the plurality of fixing sections including a tapered section and a latch step section, the latch step section being configured to contact at least one of an upper inner wall surface and a lower inner wall surface of the mounting hole and the tapered section including a fixing portion extending at least one of above the upper inner wall surface and below the lower inner wall surface.

23. (Previously Presented) The spoiler according to Claim 22, wherein at least one mount section of the plurality of mount sections includes a fastening member mount portion for attaching a fastening member.

24. (Previously Presented) The spoiler according to Claim 22, wherein the plurality of mount sections includes a mount section with a fastening member insert hole for attaching a fastening member and a mount section without the fastening member insert hole.

25. (Previously Presented) The spoiler according to Claim 22, wherein the plurality

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of fixing sections have substantially the same cross-section in a longitudinal direction of the spoiler main body section.

26. (Previously Presented) A spoiler configured to be mounted on a bumper including at least one mounting hole, the spoiler comprising:

a spoiler main body section configured to orient in a first direction;

a plurality of mount sections each formed integrally with a back of the spoiler main body section to protrude in a second direction, the plurality of mount sections including an upper side, a lower side opposite the upper side, and a rear end; and

a plurality of first fixing sections and second fixing sections integrally formed with the plurality of mount sections, the plurality of first fixing sections and second fixing sections being formed discontinuously in a longitudinal direction of the spoiler at certain intervals, and the plurality of first fixing sections and second fixing sections being provided on at least one of the upper side and the lower side to protrude from a surface of the plurality of mount sections at a first position and a second position, respectively, between the spoiler main body section and the rear end of the plurality of mount sections, the first position and the second position arranged along the second direction on the same side.

27. (Previously Presented) The spoiler according to Claim 26, wherein at least one mount section of the plurality of mount sections includes a fastening member mount portion for attaching a fastening member.

28. (Previously Presented) The spoiler according to Claim 26, wherein the plurality of insert/mount sections includes a mount section with a fastening member insert hole for attaching a fastening member and a mount section without the fastening member insert hole.

29. (Previously Presented) The spoiler according to Claim 26, wherein the plurality of fixing sections have substantially the same cross-section in a longitudinal direction of the spoiler main body section.

30. (New) The spoiler according to claim 1, wherein the plurality of mount sections is integrally formed with the main body section by extrusion.

31. (New) The spoiler according to claim 1, wherein the plurality of fixing sections each have a constant cross-sectional profile along an entire length of a respective mount section.

32. (New) The spoiler according to claim 1, wherein the plurality of mount sections and the plurality of fixing sections are provided in a one-piece construction.

33. (New) The bumper structure according to claim 17, wherein the plurality of mount sections is integrally formed with the main body section by extrusion.

34. (New) The bumper structure according to claim 17, wherein the plurality of fixing sections each have a constant cross-sectional profile along an entire length of a respective mount section.

35. (New) The bumper structure according to claim 17, wherein the plurality of mount sections and the plurality of fixing sections are provided in a one-piece construction.